

Some Targets for the LAAS Public Star Party on Saturday, September 14, 2013

Sunset at 7:01 p.m. PDT

At 8:00 p.m. PDT, the Sidereal Time (Right Ascension at Griffith Observatory's Meridian) is 18 hrs. 44 mins.

SHOWCASE OBJECTS

The Moon:

9 days old (1st Quarter was at 10:08 a.m. PDT on September 12); in Sagittarius east of the "teapot."

Prominent features near the terminator: dark-floored large crater Plato in the North;

large crater Copernicus near the middle; and crater Bullialdus (with a prominent central peak) further south.

Venus : in Libra, northeast of Spica; low in the West at sunset, due to set at about 8:45 p.m. PDT

Saturn: in Libra, just north of Venus; low in the West at sunset; due to set at about 9:09 p.m. PDT.

Andromeda Galaxy: M31 is low in the North-East at sunset, but should be high enough for viewing before 9:00 p.m. PDT

Nova Delphini 2013: Is it still bright? Interesting for what it is, not for how it looks. 20:23.5 +20:46.

MULTIPLE STARS

(SAO Numbers are included for use by computerized go-to mounts)

Prominent white doubles:

Rho (ρ) Her (in Hercules; SAO # 066000; 17:23.7 +37:09)

95 Her (in Hercules; SAO # 085647; 18:01.5 +21:36)

Epsilon (ε) 1 & 2 Lyr (the double-double; in Lyra; SAO # 067309 & 067315; 18:44.3 +39:40)

Theta (θ) Ser (in Serpens Cauda; SAO # 124068; 18:56.2 +04:12)

16 Cyg (in Cygnus; SAO # 031899; 19:41.8 +50:32)

57 Aql (in Aquila; SAO # 143898; 19:54.6 -08:14)

8 Lac (in Lacerta; SAO # 072508; 22:35.9 +39:38)

Prominent doubles of various colors:

15 Aql (yellow & blue; in Aquila; SAO # 142996; 19:05.0 -04:02)

Albireo (Beta (β) Cyg; orange & blue; in Cygnus; SAO #087301; 19:30.7 +27:58)

Gamma (γ) Del (orange & grey-green; in Delphinus; SAO # 106475; 20:46.7 +16:07)

Epsilon (ε) Equ (yellow & blue; in Equuleus; SAO # 126429; 20:59.1 +04:18)

61 Cyg (two deep-yellow nearby stars; in Cygnus; SAO # 070919; 21:06.9 +38:45; Piazzzi's "flying star")

Delta (δ) Ceph (orange & blue; in Cepheus; SAO # 034508; 22:29.2 +58:25; the original "cepheid variable")

Triple Stars:

Struve 2816 (in Cepheus; SAO # 033626; 21:39.0 +57:29)

NEBULAE WITH ASSOCIATED STAR CLUSTERS

In Sagittarius: M8 ("Lagoon") and M17 ("Omega" or "Swan"); in Serpens Cauda: M16 ("Eagle")

OTHER PROMINENT OPEN CLUSTERS

In binoculars or rich field telescopes: "Coathanger" asterism (Cr 399 in Vulpecula; 19:26.2 +20:06)

In other telescopes: M21, M23 & M25 in Sagittarius. M11 (the "wild duck cluster" in Scutum).

M29 & M39 in Cygnus. NGC 6940 in Vulpecula. NGC 7160 in Cepheus (looks like a fish swimming in a pond, viewed from above)

PROMINENT GLOBULAR CLUSTERS

M22 in Sagittarius. M15 in Pegasus. M2 in Aquarius.

RED CARBON STARS

(SAO Numbers are included for use by computerized go-to mounts)

T Lyr (in Lyra; SAO # 067087; 18:32.3 +37:00; a variable star between mags. 7.5 and 9.0).

Compiled by Herbert Kraus